

REPLACEMENT
DRAWINGS

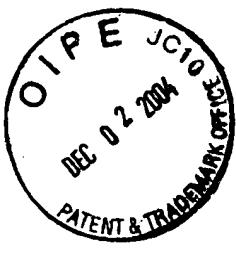
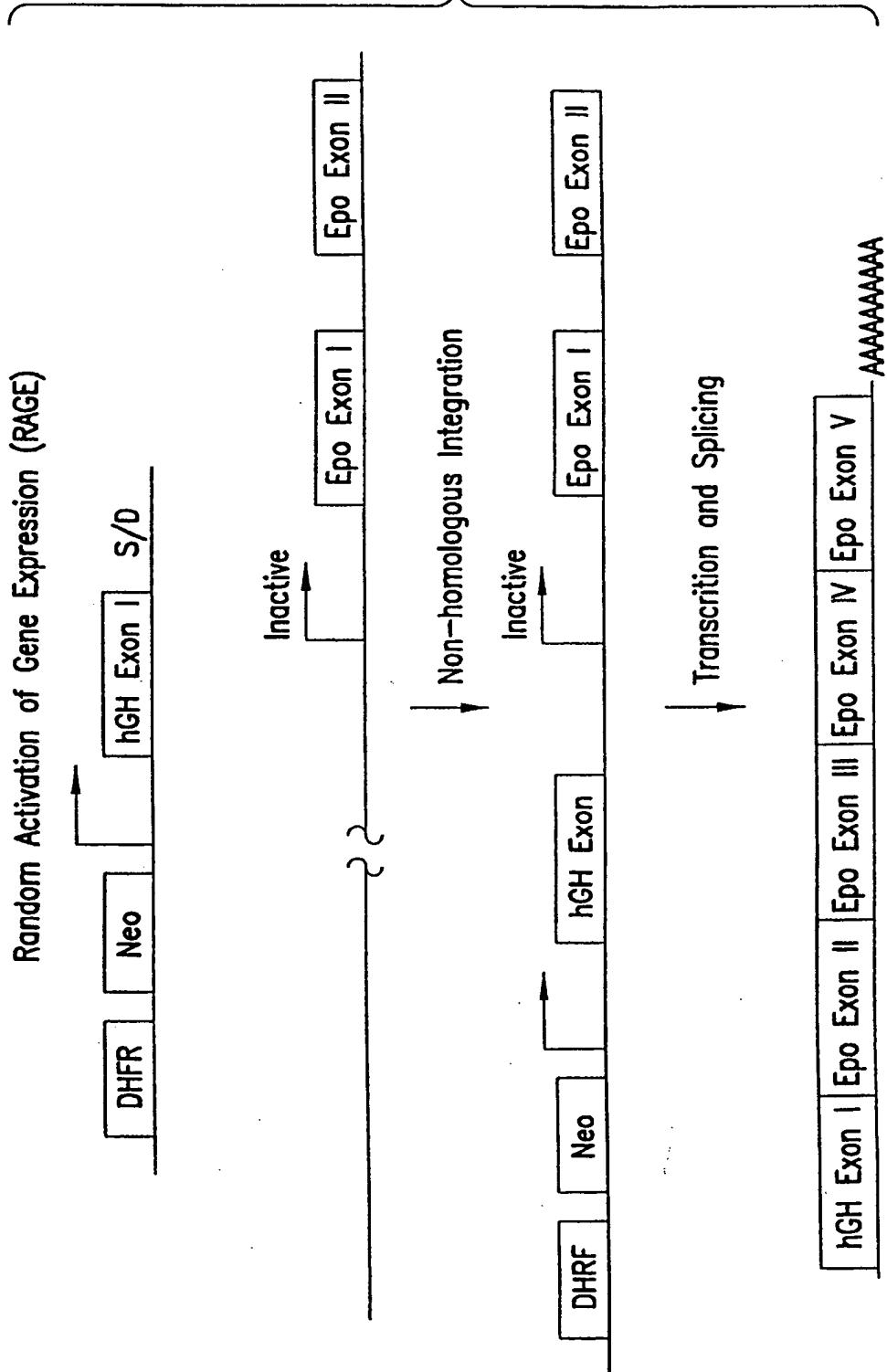
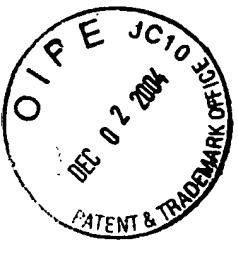


FIG. 1.



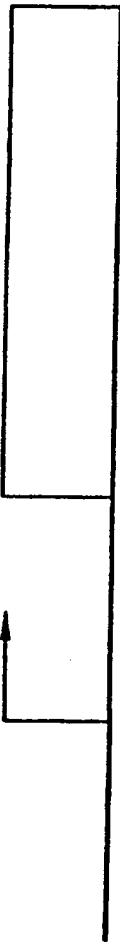


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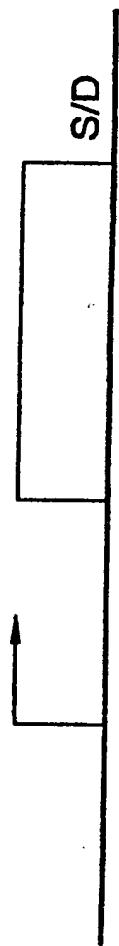
FIG. 2.

Activation Constructs without Translation Start Codons

Construct #



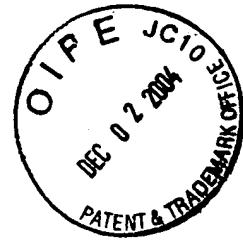
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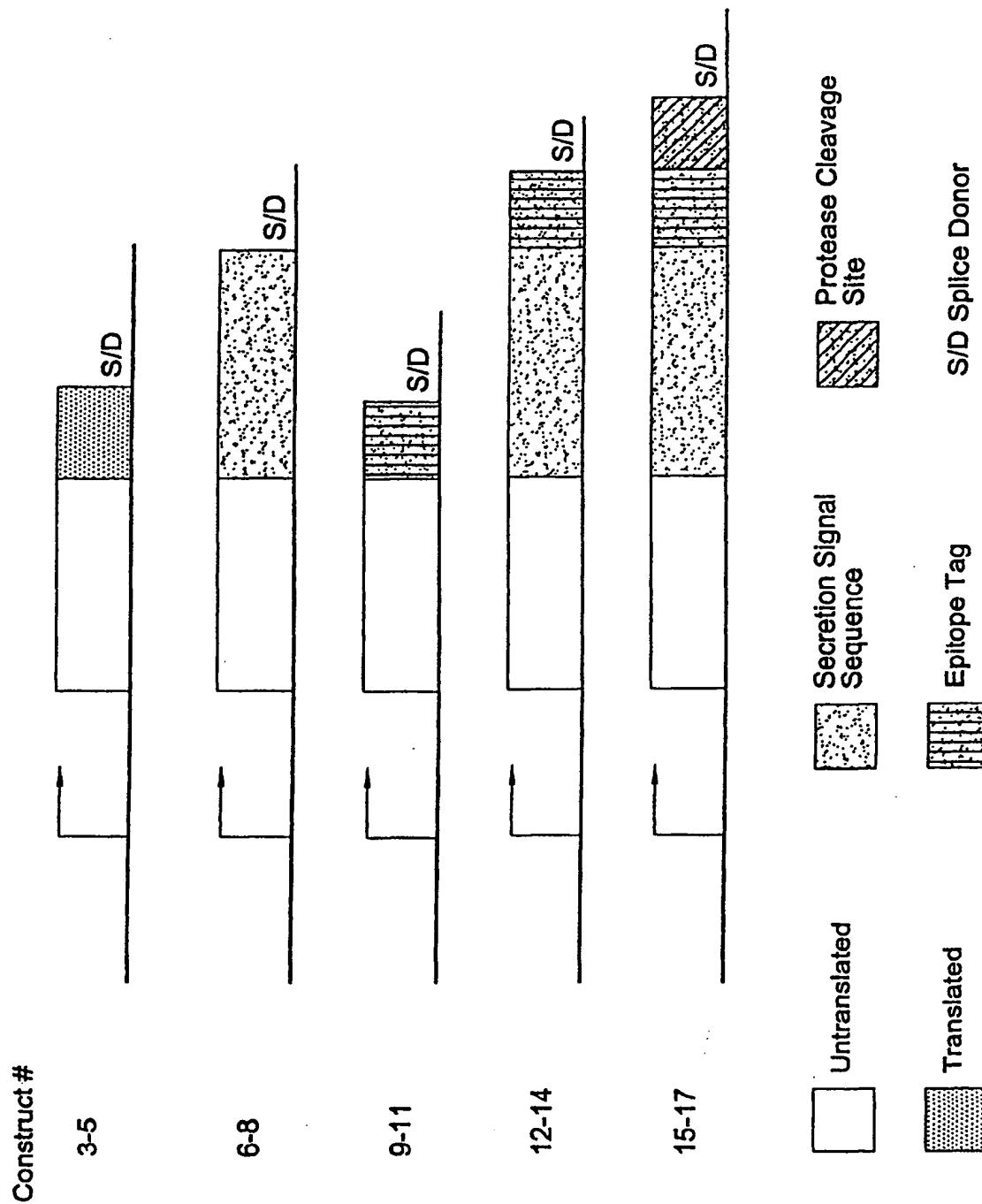
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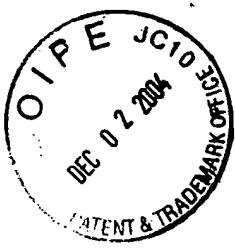
 S/D Splice Donor



REPLACEMENT
DRAWINGS

FIG. 3.





REPLACEMENT DRAWINGS

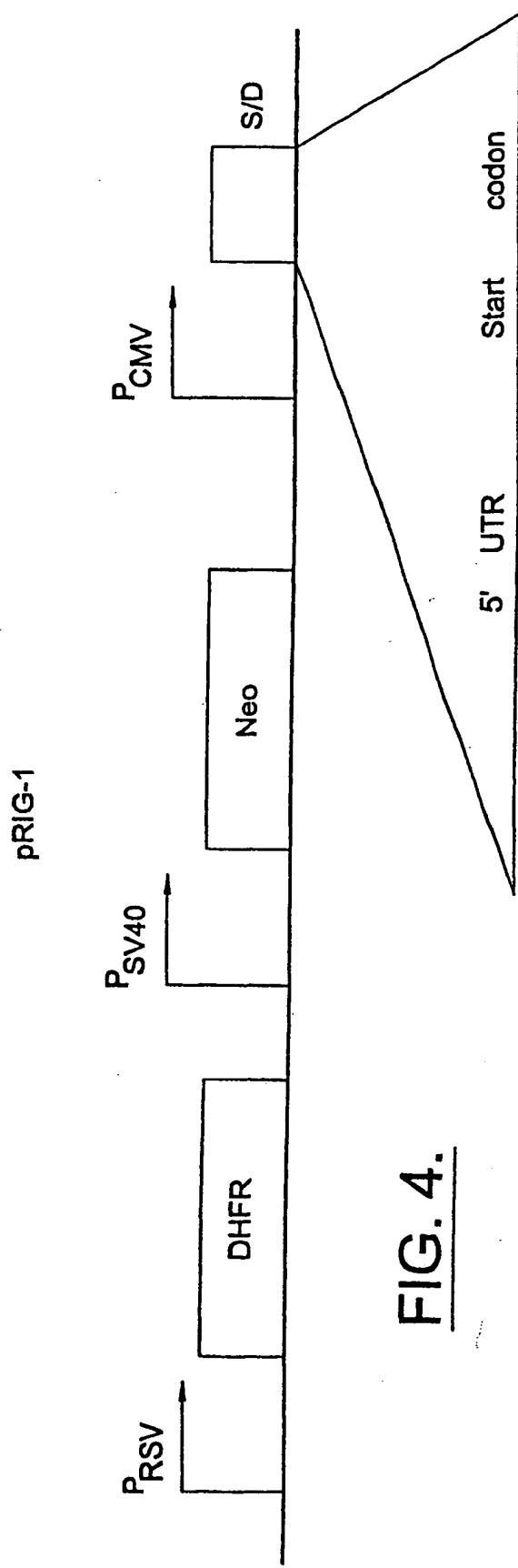


FIG. 4.



REPLACEMENT
DRAWINGS

5' AGATCTTCAATATTGCCATTAGCCATTATTATTGTTATAGCATAAATC
AATATTGGCTATTGCCATTGCATA
CGTTGTATCTATATCATAATATGTACATTATGGCTATGTCCAATATGACCG
CCATGTTGGCATTGATTATTGACT
AGTTATTAAAGTAATCAATTACGGGGCATTAGTCATGCCATATGGAGT
TCCCGTACATAACTACGGTAAA
TGGCCCGCCTGGCTGACGCCAACGACCCCCCCCATTGACGTCAATAATGACG
TATGTTCCCATACTAACGCCAATAG
GGACTTTCCATTGACGTCAATGGGTGGAGTATTACGGTAAACTGCCACTGGC
AGTACATCAAGTGTATCATATGCCA
AGTCCGCCCTATTGACGTCAATGACGGTAAATGCCCGCTGGCATTATGCC
AGTACATGACCTTACGGGACTTCC
TACTTGGCAGTACATCTACGTATTAGTCATCGCTATTACCATGGTGATGCGGTTT
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AGCGGTTTGACTCACGGGATTCCAAGTCTCCACCCATTGACGTCAATGGGAC
TTTGTGACCGGACCAAAATCAACGG
GACTTTCCAAAATGTCGTAAACAACCTGGGATCGCGATGCCCGCCCGTTGACGCAAATGGG
CGGTAGGCGTGTACGGTGGGAGGTC
TATATAAGCAGAGCTCGTTAGTGAACCGTCAGATCACTAGAAGCTTATTGCGG
TAGTTTATCACAGTAAATTGCTAA
CGCAGTCAGTCTGACACACAGTCTCGAACCTAACGCTGACTCTCT
AATTAACCTCCACCAGTCTCACTTCA
GTTCCCTTGCCTCCACCAAGTCTCACTTCAGTTCTTGCATGAAGAGCTCAGAA
TCAAAAGAGGAAACCAACCCCTAA
GATGAGCTTCCATGTAATTTGAGCCAGCTCCTCTGATTTCAATGTTCTT
CCAAAGGTGCAGTCTCCAAAGAGA
TTACGAATGCCCTGGAAACCTGGGTCCTGGTCAGGACATCAACTGGACAT
TCCTAGTTCAAATGAGTGATGAT
ATTGACGATATAAAATGGAAAAAAACTTCAGACAAGAAAAAGATTGACAATTCA
AAAAAGAGAAAGAGACTTCAAGGA
AAAAGATACATATAAGCTATTAAAAATGGAACCTCTGAAAATTAAGCATCTGAAG
ACCGATGATCAGGATATCTACAAGG
TATCAATATATGATACAAAAGGAAAAATGTGTTGGAAAAAAATTGATTGAA
GATTCAAGAGAGGGTCTCAAAACCA
AAGATCTCCTGGACTTGTATCAACACACAACCTGACCTGTGAGGTAATGAATGGAA
CTGACCCCGAATTAAACCTGTATCA
AGATGGGAAACATCTAAACTTCAGAGGGTCATCACACACAAGTGGACCACC
AGCCTGAGTGCAAATTCAAGTGCA
CAGCAGGGAACAAAGTCAGCAAGGAATCCAGTGTGAGCCTGTAGCTGCCAG
AGAAAGGGATCCAGGTGAGTAGGGCC
CGATCCTCTAGAGTCGAGCTCTCTTAAGGTAGCAAGGTTACAAGACAGGTTAA
GGAGACCAATAGAAACTGGGCTTGT
CGAGACAGAGAAGACTCTGCGTTCTGATAGGCACCTATTGGTCTACGCC
GCGAATTCCAAGCTTGAGTATTCTA
TCGTGTCACCTAAATAACTGGCGTAATCATGGTCATATCTGTTCTGTGAA
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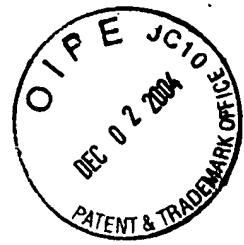
FIG. 5A.



REPLACEMENT
DRAWINGS

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GAGGTTTTAAAGCAAGTAAAACC
TCTACAAATGTGGTAAAATCCGATAAGGATCGATTCCGGAGCCTGAATGGCGAAT
GGACGCGCCCTGTAGCGGCGCATTA
AGCGCGGCGGGTGTGGTGTACCGCACGTGACCGCTACACTGCCAGCGCCC
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GCCCTTGACGTTGGAGTCCACGTTCTTAATAGTGGACTCTTGTCCAAACTGG
AACAAACACTCAACCCATCTCGGTC
TATTCTTTGATTATAAGGGATTTGCCGATTCGGCCTATTGGTAAAAAATGA
GCTGATTAACAAAAATTAAACGTTACAATTGCCGTGTACCTCTGAGGC GG
AAAGAACCAAGCTGTGGAAAGTCCCCAGGCTCCCCAGCAGGCAGAAGTATGCAAAGC
ATGCATCTCAATTAGTCAGCAACCAAG
GTGTGGAAAGTCCCCAGGCTCCCCAGCAGGCAGAAGTATGCAAAGCATGCATCT
CAATTAGTCAGCAACCATACTCCCGC
CCCTAATCCGCCCCATCCGCCCTAATCCGCCAGTCCGCCATTCTCCGCC
CCATGGCTGACTAATTTTTATT
TATGCAGAGGCCGAGGCCGCTCGGCCCTGAGCTATTCCAGAAGTAGTGAGGA
GGCTTTTGAGGCCCTAGGCTTTG
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AGGTTCTCGGCCGCTTGGTGGAGAGGCTATTGGCTATGACTGGCACAACAC
ACAATCGGCTGCTCTGATGCCGCC
TGTTCCGGCTGTCAGCGCAGGGCGCCCGTTCTTGTCAAGACCGACCTGTC
CGGTGCCCTGAATGAACCTGCAGGAC
GAGGCAGCGCGGCTATCGTGGCTGGCCACGACGGCGTTCCCTGCGCAGCTGTG
CTCGACGTTGTCACTGAAGCGGGAG
GGACTGGCTGCTATTGGCGAAGTGGCCGGGAGGATCTCCTGTCATCTCACCTT
GCTCCTGCCAGAAGTATCCATCA
TGGCTGATGCAATCGGGCGCTGCAACGCTTGATCCGGCTACCTGCCATTGCA
CCACCAATGCGAAACATCGCATCGAG
CGAGCACGTACTCGGATGGAAGGCCGGTCTGTCGATCAGGATGATCTGGACGAA
GAGCATCAGGGCTCGGCCAGCGA
ACTGTTGCCAGGCTCAAGGCGCGCATGCCGACGGCGAGGATCTGTCGTGAC
CCATGGCGATGCCCTGCTTGCCGAATA
TCATGGTGGAAAATGGCCGCTTCTGGATTGACTCGACTGTGGCCGGCTGGGTGT
GGCGGACCGCTATCAGGACATAGCG
TTGGCTACCCGTGATATTGCTGAAGAGCTGGCGGCGAATGGCTGACCGCTTCC
TCGTGCTTACGGTATGCCGCTCC
CGATTCGCAGCGCATGCCCTCTATGCCCTTGTACGAGTTCTCTGAGCGGGA
CTCTGGGTTGAAATGACCGACCAAGCGACGCCAACCTGCCATCACGATGGC-

FIG. 5B.



REPLACEMENT
DRAWINGS

CGCAATAAAATATCTTATTTCATTACATCTGTGTGTTGGTTTTGTGTGAAGA
TCCCGTGA-
TGGTGCACTCTCAGTACAATCTGCTCTGATGCCGCATAGTTAACGCCAGCCCCGAC
ACCCGCCAACAC
CCGCTGACGCCCTGACGGGCTTGTCTGCTCCGGCATCCGCTACAGACAAGC
TGTGACCGTCTCGGGAGCTGCATG
TGTAGAGGTTTCAACCGTCATCACCGAAACGCCGAGACGAAAGGGCCTCGTGA
TACGCCTATTTTATAGGTTAATGT
CATGATAATAATGGTTCTTAGACGTCAGGTGGCACTTTGGGAAATGTGCGC
GGAACCCCTATTGTTATTTTCT
AAATACATTCAAATATGTATCCGCTCATGAGACAATAACCCGTATAATGCTTCA
ATAATATTGAAAAAGGAAGAGTATG
AGTATTCAACATTCCGTGTCGCCCTTATTCCCTTTGCGGCATTTGCCTTCC
TGTTTTGCTCACCCAGAAACGCT
GGTGAAGTAAAAGATGCTGAAGAGTCAGTTGGGTGCACGAGTGGTTACATCGA
ACTGGATCTCAACAGCGGTAAGATCC
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GCTATGTGGCGCGGTATTATCCCGT
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ATGAGTGATAACACTCGGGCCA
TACCTCTGACAACGATCGGAGGACCGAAGGAGCTAACCGCTTTTGACAACAT
GGGGGATCATGTAACTGCCCTGAT
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TCAAAGGATCTTCTGAGATCCTT
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CAACTCTTCCGAAGGTAACGGCTCAGCAGAGCGCAGATACCAAAACTGT
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CACCACTCAAGAAACTCTGTAGCACCGCCTACATACCTCGCTCTGCTAATCCTGT
TACCACTGGCTGCTGCCAGTGGCGA
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CGGTGGGCTGAACGGGGGTTCGT
GCACACAGCCCAGCTGGAGCGAACGACCTACACCGAACTGAGATAACCTACAGC
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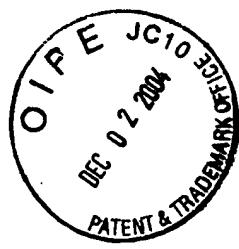
FIG. 5C.



**REPLACEMENT
DRAWINGS**

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TTGCTGGCCTTTGCTCACATGGCT
CGAC3'

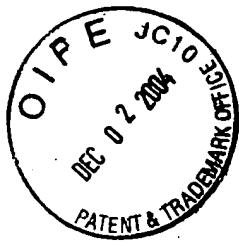
FIG. 5D.



REPLACEMENT
DRAWINGS

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ACGTTGTATCTATATCATAATATGTACATTATATTGGCTATGCCAATATGACC
GCCATGTTGCCATTGATTATTGAC
TAGTTATTAAATAGTAATCAATTACGGGGTCATTAGTCATGCCATATGGAC
TTCCCGCTTACATAACTACGGTAA
ATGGCCCCGCTGGCTGACGCCAACGACCCCCGCCATTGACGTCAATAATGAC
GTATGTTCCCAGTAAACGCCAATA
GGGACTTTCCATTGACGTCAATGGGTGGAGTATTACGGTAAACTGCCACTGG
CACTACATCAAGTGTATCATATGCC
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TAGCGGTTGACTCACGGGGATTCCAAGTCTCCACCCATTGACGTCAATGGGA
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CAGCCTGAGTGCCTTCAAGTGC
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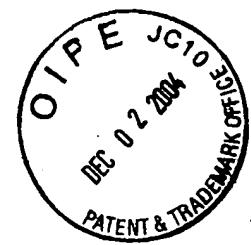
FIG. 6A.



REPLACEMENT
DRAWINGS

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GGGAGGTTTTAAAGCAAGTAAA
CCTCTACAAATGTGGTAAAATCCGATAAGGATCGATTCCGGAGCCTGAATGGCGA
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GCAGGTTCTCCGCCGCTTGGTGGAGAGGCTATTGGCTATGACTGGCACAAC
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CGTGTCCGGCTGTCAGCGCAGGGGGGCCGGTTTTGTCAAGACCGACCTG
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GACCACCAAGCGAACATCGCATCG
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GAACGTTCGCCAGGCTCAAGGCCGCGATGCCGACGGCGAGGATCTGTCGTG
ACCCATGGCGATGCCCTGCTGCCGAA
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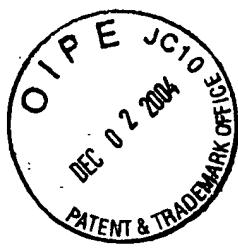
FIG. 6B.



REPLACEMENT
DRAWINGS

TGTCTGCTCCGGCATCCGCTTACAGACAAGCTGTGACCGTCTCCGGGAGCTGCA
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GATACGCCATTTTATAGGTTAAT
GTCATGATAATAATGGTTCTTAGACGTCAAGTGGCACTTTGGGGAAATGTGC
GCGGAACCCCTATTGTTATT
CTAAATACATTCAAATATGTATCCGCTCATGAGACAATAACCCTGATAATGCTT
CAATAATATTGAAAAAGGAAGAGTA
TGAGTATTCAACATTCCGTGTCGCCCTTATTCCCTTTGCGGCATTTGCCTT
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GCCACCACTCAAGAAACTCTGTAGCACCGCCTACATACCTCGCTTGCTAATCCT
GTTACCACTGGCTGCTGCCAGTGGCGATAAGTCGTGCTTACCGGGTTGGACTCA
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GCGTGAGCTATGAGAAAGCGCCACGC
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GAGAGCGCACGAGGGAGCTTCCAGGG
GGAAACGCCTGGTATCTTATAGTCCTGTCGGGTTTCGCCACCTCTGACTTGAGC
GTCGATTTTGATGCTCGTCAGG
GGGGCGGAGCCTATGGAAAAACGCCAGCAACCGCCCTTTACGGTTCTGGC
CTTTGCTGGCCTTTGCTCACATGG
CTCGAC3'

FIG. 6C.



REPLACEMENT
DRAWINGS

5AGATCTTCAATATTGCCATTAGCCATTTCATTGGTTATATAGCATAAATC
AATATTGGCTATTGCCATTGCAT
ACGTTGTATCTATATCATAATATGTACATTATGGCTATGTCCAATATGACC
GCCATGTTGGCATTGATTATTGAC
TAGTTATTAAATAGTAATCAATTACGGGGTCATTAGTCATAGCCATATATGGAG
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ATGGCCCCTGGCTGACGCCAACGACCCCCGCCATTGACGTCAATAATGAC
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GGGACTTTCCATTGACGTCAATGGGTGGAGTATTTACGGTAAACTGCCACTTGG
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GAGAAAGGGATCCACAGGTGAGTAGG
GCCGCTCCTCTAGAGTCGAGCTCTTAAGGTAGCAAGGTTACAAGACAGGTT
TAAGGAGACCAATAGAAACTGGGCT
TGTGAGACAGAGAAGACTCTTGCCTCTGATAGGCACCTATTGGTCTACGCG
GCCGCGAATTCCAAGCTTGAGTATT
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ACACAAACATACGAGCCGGAAAGCATAAAGTGTAAAGCCTGGGTGCCTAATGAGT
GAGCTAACTCACATTAAATTGCGTTGC
GCGATGCTTCCATTGTGAGGGTTAATGCTCGAGAAGACATGATAAGATAACAT
TGATGAGTTGGACAAACCACAACAAGAATGCAGTGA
AAGGTTGC-

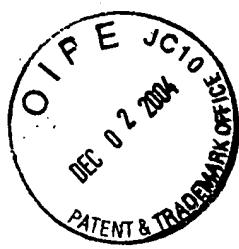
FIG. 7A.



REPLACEMENT
DRAWINGS

TTTATTTGTGAAATTGTGATG
CTATTGCTTATTGTAAACCAATTATAAGCTGCAATAA
ACAAGTTAACAAACAATTGCATTCTTTATGTTCAGGGAGATG
TGGGAGGTTTTAAAGCAAGTAAA
ACCTCTACAAATGTGGTAAAATCCGATAAGGATCGATTCCGGAGCCTGAATGGCG
AATGGACGCCCTGTAGCGCGCA
TTAAGCGCGCGGGTGTGGTGTACCGCACGTGACCGCTACACTGCCAGCGC
CCTAGCGCCCGCTCTTCGCTTC
TTCCTTCCCTTCGCCCCACGTTCGCCGGCTTCCCCGTCAAGCTCTAAATCGGGG
GCTCCCTTAGGGTCCGATTAG
TGCTTACGGCACCTCGACCCAAAAACTTGATTAGGGTATGGTACGTAGT
GGGCCATGCCCTGATAGACGGTT
TTCGCCCTTGACGTTGGAGTCCACGTTCTTAATAGTGGACTCTGTTCCAAACT
GGAACAACACTCAACCCATCTCG
GTCATTCTTTGATTATAAGGGATTGCGATTCCGGCTATTGGTTAAAAAA
TGAGCTGATTAACAAAAATTAA
CGCGAATTTAACAAAATTAAACGCTACAATTGCCGTGTACCTCTGAGG
CGGAAAGAACCGAGCTGTGGAATGTG
TGTCAATTAGGCTGGAAAGTCCCCAGGCTCCCCAGCAGGCAGAAGTATGCAA
AGCATGCATCTCAATTAGTCAGCAAC
CAGGTGTGAAAGTCCCCAGGCTCCCCAGCAGGCAGAAGTATGCAAAGCATGCA
TCTCAATTAGTCAGCAACCATAGTCC
CGCCCTAACTCCGCCATCCGCCCTAACTCCGCCAGTCCGCCATTCTCC
GCCCATGGCTGACTAATT
ATTATGCATGAGGCCAGGCCCTGGCCTCTGAGCTATTCCAGAAGTAGTGAG
GAGGCTTTTGAGGCCTAGGCTT
TTGCAAAAGCTGATTCTCTGACACAACAGTCTCGAACTTAAGGCTAGAGCCA
CCATGATTGAACAAGATGGATTGCA
CGCAGGTTCTCCGGCCGCTTGGTGGAGAGGCTATTGGCTATGACTGGCACAA
CAGACAATCGGCTGCTCTGATGCCG
CCGTGTTCCGGCTGTCAGCGCAGGGGGCGCCGGTTCTTTGTCAAGACCGACCT
GTCCGGTGCCTGAATGAACTGCA
GACGAGGCAGCGCGCTATCGTGGCTGCCACGACGGCGTTCCGGCAGCT
GTGCTCGACGTTGTCAGTCAGCGGG
AAGGGACTGGCTGCTATTGGCGAAGTGCCGGGAGGATCTCCTGTCATCTCAC
CTTGCCTCTGCCAGAAAATGCCATT
TCATGGCTGATGCAATGCCGGCTGCACTACGCTTGATCCGGTACCTGCCATT
CGACCACCAAGCGAAACATCGCATT
GAGCGAGCACGTAACGGATGGAAGGCCGGCTTGTGATCAGGATGATCTGGAC
GAAGAGCATCAGGGCTCGGCCAGC
CGAACTGTTGCCAGGCTCAAGCGCGCATGCCGACGGCGAGGATCTGTCGT
GACCCATGGCGATGCCGTGCTTGGCGA
ATATCATGGTGGAAAATGGCCGCTTCTGGATTGATGTCATGTCATGTCATGGCG
TGTGGCGGACCGCTATCAGGACATA
GCCTGGCTACCCGTGATATTGCTGAAGAGCTTGGCGGGAATGGGCTGACCGCT
TCCCTCGCTTACGGTATGCCGC
TCCCGATTGCGAGCGCATGCCCTCTATGCCCTTGTGACGAGTTCTGAGCC
GGACTCTGGGTTGAAATGACCGA
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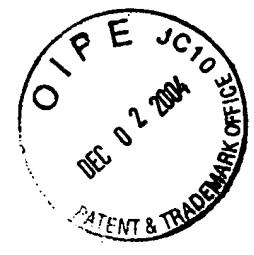
FIG. 7B.



REPLACEMENT
DRAWINGS

AGTACAATCTGCTCTGATGCCGCATAGTTAAGCCAGCCCCGACACCCGCCAA
CACCCGCTGACCGCGCCCTGACGGGCTTGTCTGCTCCC GGATCCGCTTACAGACA
AGCTGTGACCGTCTCCGGAGCTGC
ATGTGTCAAGAGGTTTCACCGTCATCACCGAAACGCGAGACGAAAGGGCCTCG
TGATACGCCTATTTTATAGGTTAA
TGTCAATGATAATAATGGTTCTTAGACGTCAAGTGGACTTTGGAAATGTG
CGCGGAACCCCTATTGTTTT
TCTAAATACATTCAAATATGTATCCGCTCATGAGACAATAACCCTGATAATGCT
TCAATAATATTGAAAAGGAAGAGT
ATGAGTATTCAACATTCCGTGTCGCCCTTATTCCCTTTTGCGGCATTTGCCT
TCCTGTTTGCTACCCAGAAC
GCTGGTAAAGTAAAGATGCTGAAGATCAGTTGGGTGCACGAGTGGTTACAT
CGAACTGGATCTCAACAGCGGTAAAG
TCCTTGAGAGTTTCGCCCCGAAGAACGTTTCAATGATGAGCAGCTTTAAAGT
TCTGCTATGTGGCGCGGTATTATCC
CGTATTGACGCCGGGCAAGAGCAACTCGGTGCCGCATACACTATTCTCAGAATG
ACTTGGTTGAGTACTCACCAGTCAC
AGAAAAGCATCTTACGGATGGCATGACAGTAAGAGAATTATGCAGTGCTGCCATA
ACCATGAGTGATAACACTGCGCCA
ACTTACTTCTGACAACGATCGGAGGACCGAAGGGAGCTAACCGCTTTTGACAA
CATGGGGGATCATGTAACCGCCTT
GATCGTTGGGAACCGGAGCTGAATGAAGCCATACCAACGACGAGCGTGACACC
ACGATGCCTGTAGCAATGGCAACAAAC
GTTGCGCAAACATTAACTGGCGAACTACTTACTCTAGCTCCGGCAACAAATTA
ATAGACTGGATGGAGGCGGATAAAG
TTGCAGGACCACCTCTGCGCTGGCCCTCCGGCTGGCTGGTTATTGCTGATAA
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CGCGGTATCATTGCACTGGGGCCAGATGGAAGCCCTCCGTATCGTAGTTA
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AAGATCCTTTGATAATCTCATG
ACCAAAATCCCTAACGTGAGTTTGTCCACTGAGCGTCAGACCCGTAGAAA
AGATCAAAGGATCTCTTGAGATCC
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GTGGTTTGTGCGGATCAAGAGC
TACCAACTCTTCCGAAGGTAACGGCTCAGCAGAGCGCAGATACCAAAATAC
TGTCCCTCTAGTGTAGCGTAGTTA
GGCCACCACTCAAGAACCTGTAGCACCGCCTACATACCTCGCTTGCTAATCC
TGTTACCACTGGCTGCTGCCAGTGG
CGATAAGTCGTGCTTACCGGGTTGGACTCAAGACGATAGTTACCGGATAAGGCG
CAGCGGTGGCGTAACGGGGGTT
CGTGCACACAGCCCAGCTGGAGCGAACGACCTACACCGAAGTGGAGATACCTAC
AGCGTGAGCTATGAGAAAGCGCCACGCTCCCGAAGGGAGAAAGGCGGACAGGT
ATCCGGTAAGCGGCAGGGTCGGAACAGGAGAGCGCACGAGGGAGCTCCAGG
GGGAAACGCGCTGGTATCTTATAGTCCTGTCGGGTTCGCCACCTCTGACTTGAG
CGTCGATTTGTGATGTCGTCAAG
GGGGCGGAGCCTATGGAAAAACGCCAGCAACGCCGCTTTACGGTTCTGG
CCTTTGCTGGCCTTTGCTCACATGGCTCGAC3'

FIG. 7C.



REPLACEMENT
DRAWINGS

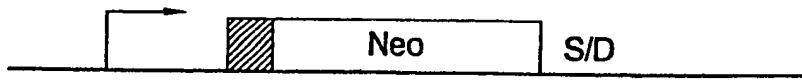


FIG. 8A.

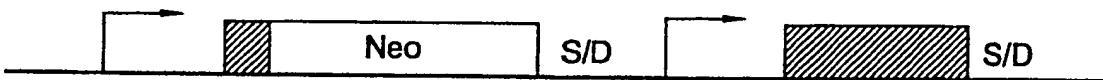


FIG. 8B.

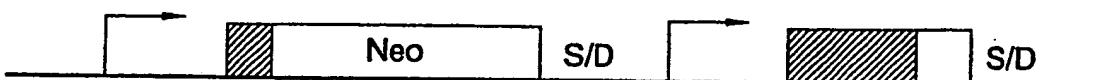


FIG. 8C.

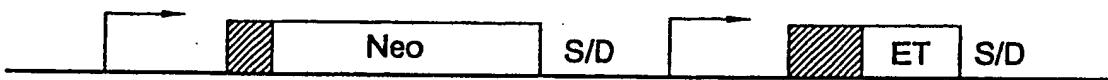


FIG. 8D.

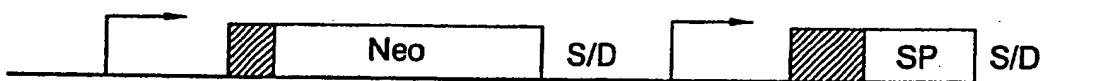


FIG. 8E.

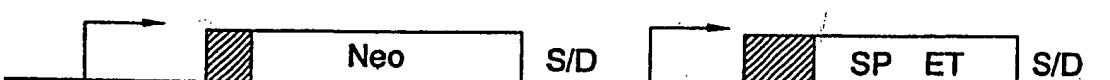


FIG. 8F.

REPLACEMENT
DRAWINGS

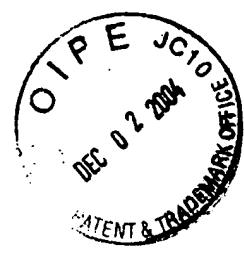


FIG. 9A.



FIG. 9B.

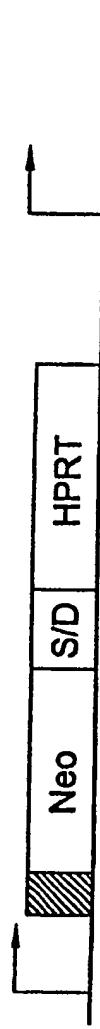


FIG. 9C.

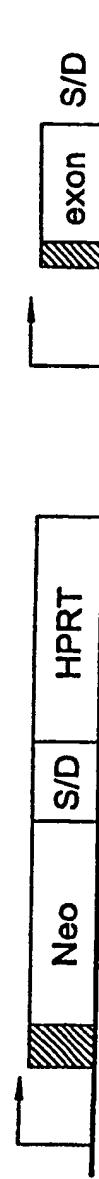


FIG. 9D.

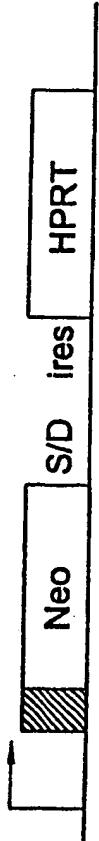


FIG. 9E.

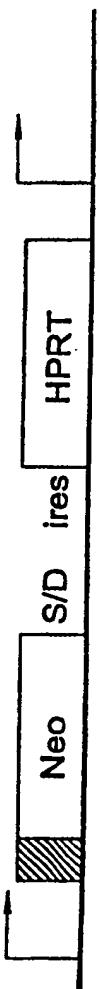
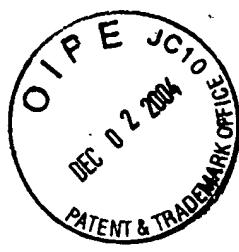


FIG. 9F.





REPLACEMENT
DRAWINGS

FIG. 10A.

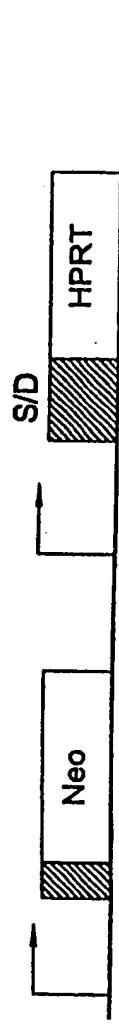


FIG. 10B.

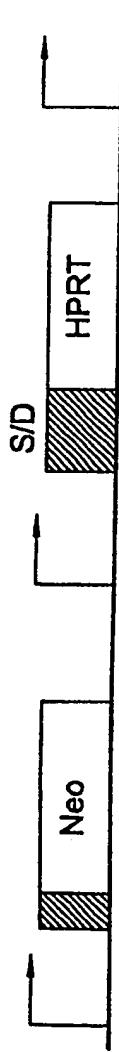


FIG. 10C.

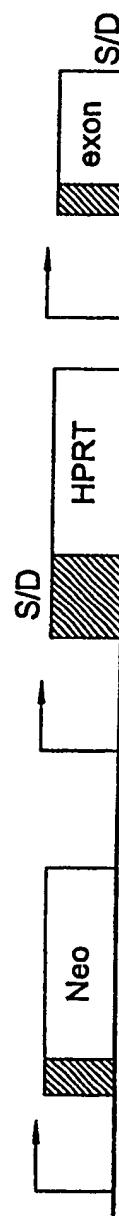


FIG. 10D.

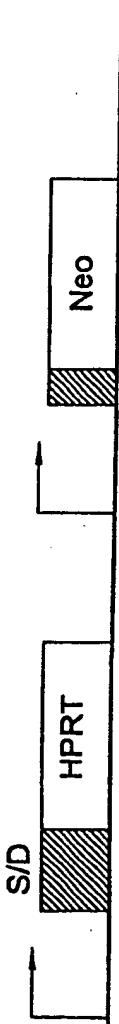


FIG. 10E.

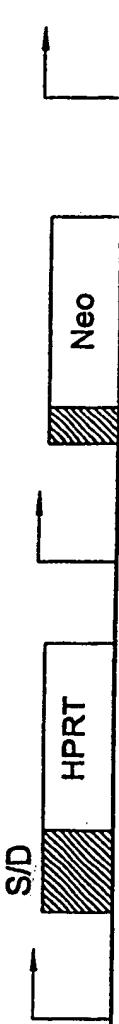


FIG. 10F.





REPLACEMENT
DRAWINGS

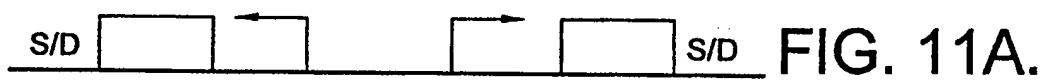


FIG. 11A.

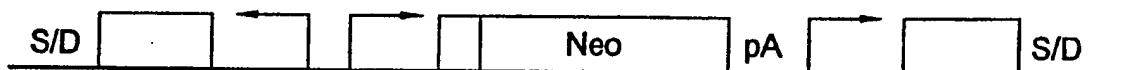
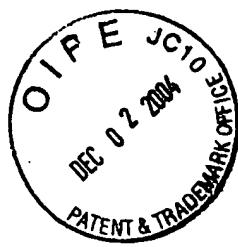


FIG. 11B.



FIG. 11C.



REPLACEMENT
DRAWINGS



FIG. 12A.

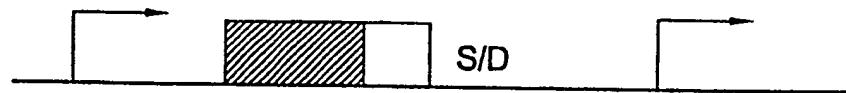


FIG. 12B.

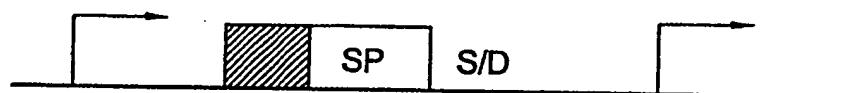


FIG. 12C.

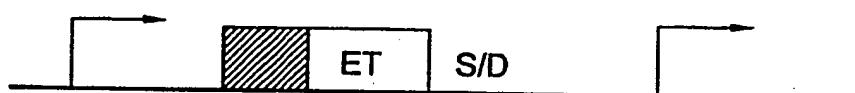


FIG. 12D.



FIG. 12E.

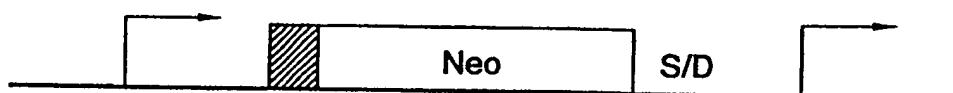


FIG. 12F.

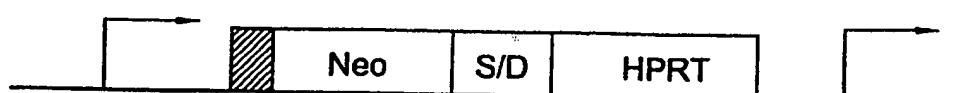
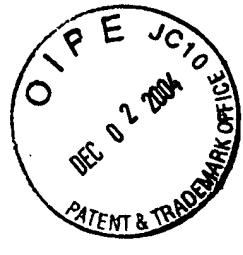


FIG. 12G.



REPLACEMENT
DRAWINGS

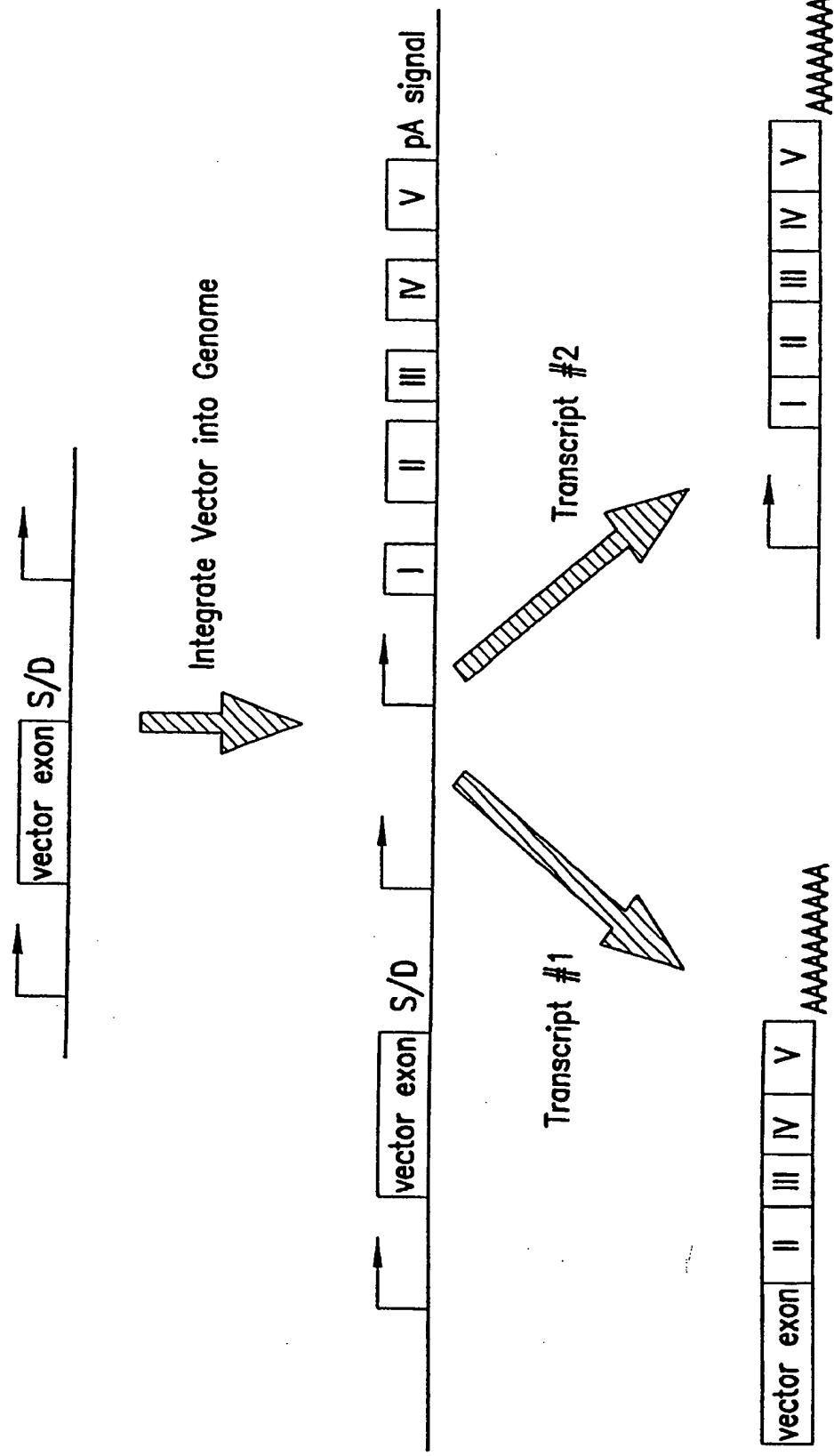
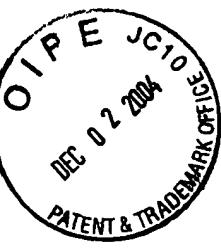
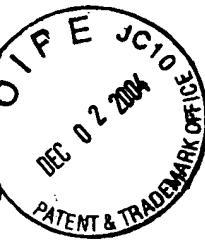


FIG. 13.



REPLACEMENT DRAWINGS

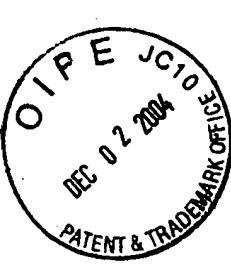
FIG. 14A.



REPLACEMENT
DRAWINGS

GTCCCGCCCCCTAACCTCCGCCCATCCCGCCCCTAACCTCCGCCAGTTCCGCCATTCTCCGCC
ATGGCTGACTAATT TTTTATTATGCAGAGGCCGAGGCCGCTCGGCCCTGAGCTATTCC
AGAAGTAGTGAGGAGGCTTTTGAGGCCCTAGGCTTTGCAAAAAGCTTGATTCTTCTGACA
CAACAGTCTCGAACTTAAGGCTAGAGCCACCATGATTGAACAAGATGGATTGCACGCAGGTT
CTCCGGCCGCTTGGGTGGAGAGGCTATTGGCTATGACTGGGCACAACAGACAATCGGCTGC
TCTGATGCCGCCGTGTTCCGGCTGTCAAGCGCAGGGGCCCGGTTCTTTGTCAAGACCAC
CTGTCCGGTGCCTGAAATGAACTTGCAAGGACGAGGCAGCGCGCTATCGTGGCTGGCACGAC
GGCGTTCCTGCGCAGCTGTGCTGACGTTGCACTGAAGCGGGAGGGACTGGCTGCTATT
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CATGGCTGATGCAATGCGGGCTGCATACGCTTGATCCGGTACCTGCCATTGACCCACCA
AGCGAAACATCGCATCGAGCGAGCACGTA CCGATGGAAGCCGGTCTTGTGATCAGGATG
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ATGCCCGACGGCGAGGATCTGTCGTGACCCATGGCGATGCCCTGCTTGCCGAATATCATGGTG
GAAAATGCCGCTTTCTGAGTTCACTGACTGTGTCGGCGCTGGGTGTTGGCGACCGCTATCAG
GACATAGCGTTGGTACCCGTGATA TTGCTGAAGAGCTTGGCGCGAATGGCTGACCGCTTC
CTCGTCTTACGGTATCGCGCTCCGATT CGCAGCGCATGCCCTCTATGCCCTTGTGACG
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CACGATGCCGCAATAAAATCTTATTTCATTACATCTGTGTTGGTTTTGTGAG
ATCCCGGTATGGTGCCACTCTCAGTACAATCTGCTCTGATGCCGATAGTTAAGCCAGCCCCGA
CACCCGCCAACACCCGCTGACCGCCCTGACGGGCTTGTCTGCTCCGGCATCCGTTACAGA
CAAGCTGTGACCGTCTCCGGAGCTGCATGTGTCAGAGGTTTCAACGTCATCACCGAACCG
GCGAGACGAAAGGGCTCGTACGCCATTTCATTACATCTGTGTTGGTTTTGTGAG
TCTTAGACGTCAAGGTGGCATTTCGGGAAATGTGCGCGGAACCCCTATTGTTATTTC
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TGGGTGACGAGTGGTTACATCGAACCTGGATCTAACAGCGGTAAAGATCCTTGAGAGTTTC
GCCCGAAGAACGTTCCAATGATGAGCACTTTAAAGTTCTGCTATGTGGCGCGGTATTAT
CCC GTATTGACGCCGGCAAGACCAACTCGTCGCCGATACACTATTCTCAGAATGACTGG
TTGAGTACTCACCAAGTACAGAAAAGCATCTTACGGATGGCATGACAGTAAGAGAATTATGC
AGTGTGCCATAACCATGAGTATAACACTGCGGCCACTTACTCTGACAACGATCGGAGC
ACCGAAGGGAGCTAACCGCTTTTGACAACATGGGGATCATGTAACTGCCCTGATCGTTG
GGAACCGGGAGCTGAATGAAGCCATACCAACGACGAGCGTGCACACCAGATGCCCTGAGCAA
TGGCAACAAACGTTGCGCAAACATTAACTTGGCGAACTACTTACTCTAGCTTCCGGCAACAA
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GGCTGGTTATTGCTGATAAAATCTGGAGGCCGGTGAGCGTGGGTCTGCCGTATCATTGAGCA
CTGGGGCCAGATGGTAAGGCCCTCCGTATCGTAGTTATCTACAGACGGGAGTCAGGCAAC
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TGTCAAGACCAAGTTACTCATATATACTTAGATTGATTAAAACCTCATTTTAATTAAAAG
GATCTAGGTGAAGATCCTTTGATAATCTCATGACCAAAATCCCTAACGTGAGTTTCGTT
CCACTGAGCGTCAGACCCGTAGAAAAGATCAAAGGATCTTCTTGAGATCCTTTTCTGCG
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AGAGCTACCAACTCTTCCGAAGGTAACTGGCTTCAGCAGAGCGCAGATACCAAATACTGT
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GGACTCAAGACGATAGTTACCGATAAGGCAGCGAGCGTGGCTGCCGAGTACCGGTGAGCTATGA
CACAGCCAGCTTGAGCGAACGACCTACACCGAACTGAGATAACCTACAGCGTGAAGCTATGA
GAAAGCGCCACGCTCCCGAAGGGAGAAAAGGCGGACAGGTATCCGGTAAGCGGCAGGGTCG
GAACAGGAGAGCGCACGAGGGAGCTTCCAGGGGAAACGCCCTGGTATCTTATAGTCTGTC
GGTTTCGCCACCTCTGACTTGAGCGTCATTGATGCTCGTCAAGGGGGCGGAGCCTA
TGAAAAAACGCCAGCAACGCCCTTTACGGTTCCCTGCCCTTGCTGGCCTTTGCTCAC
ATGGCTCGAC

FIG. 14B.



REPLACEMENT DRAWINGS

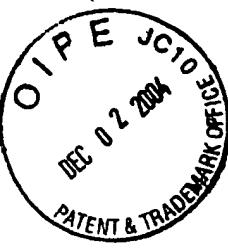
FIG. 15A



REPLACEMENT
DRAWINGS

CTATTGGGCGAAGTGCCGGGGCAGGATCTCCTGTCATCTCACCTGCTCCTGCCGAGAAAGTA
TCCATCATGGCTGATGCAATGCGGGGGCTGCAACGCTTGATCCGGCTACCTGCCATTGAC
CACCAAGCGAAACATCGATCGAGCGAGCACGTAACGCGACTCGGATGGAAGCCGGTCTTGTGATCA
GGATGATCTGGACGAAGAGCATCAGGGCTCGCGCCAGCCGAACCTGTTGCCAGGCTCAAGG
CGCGCATGCCGACGGCGAGGATCTCGTCGTGACCCATGGCGATGCCCTGCTTGCCGAATATCA
TGGTGGAAAATGGCCGCTTTCTGGATTATCGACTGTGGCCGGCTGGGTGTGGCGGACCGCT
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CGCTTCCTCGTGCCTTACGGTATCGCCGCTCCGATTCGCAGCGCATGCCCTCTATGCCCTTC
TTGACGA^{Gcc}T^{Ctgc}tggaggtagCGGCCGCTAACCTGGTTGCTGACTAATTGAGATGCATGCTT
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GCTGGTTCTTCCGCCTCAGAAGGTACACAGGCGAAATTGTAAGCGTTAATATTTGTTAAA
TTCGCGTTAAATTGGTTAAATCAGCTCATTGTTAACCAATAGGCCGAAATGGCAAAATC
CCTTATAAAATCAAAGAATAGACCGAGATAGGGTTGAGTGTCCAGTTGGAACAAGAG
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GCCAC

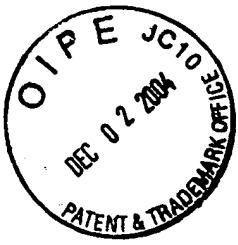
FIG. 15B.



REPLACEMENT
DRAWINGS

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ATGACCGCCATGTTGGCATTGATTATTGACTAGTTATAATAGTAATCAATTACGGGGTCATT
AGTTCATAGCCATATATGGAGTTCCGCTTACATAACTACGGTAATGGCCCCTGGCTG
ACCGCCAAACGACCCCCGCCCATTGACGTCAATAATGACGTATGTTCCCATAGTAACGCCAAT
AGGGACATTCCATTGACGTCAATGGGTGGAGTATTACGGTAAACTGCCCCTTGGCAGTACA
TCAAGGTATCATATGCCAAGTCCGCCCCCTATTGACGTCAATGACGGTAATGGCCCCTG
GCATTATGCCAGTACATGACCTAACGGGACTTCCACTTGGCAGTACATCACGTATTAGT
CATCGTATTACCATGGTATGCCAGTACACCAATGGCGTGGATAGCGGTTGA
CTCACGGGATTCCAAGTCTCACCCATTGACGTCAATGGGAGTTGTTGGCACCAAAA
TCAACGGGACTTCAAAATGCGTAACAACGCGATCGCCGCCCCGTTGACGCAAATGGG
CGTAGGGCGTGTACGGTGGGAGGTCTATAAAGCAGAGCTggtagtgaaaccgtAGATCACTAGAA
GCTTATTGCGGTAGTTATCACAGTTAAATTGCTAACGCACTCGCTAGTGCTCTGACACAACAG
TCTGAACCTAACGCTGCACTCTTAAatccacatgactacaqGTGAGTACTCGCTACCTTAAG
AGAGGCCTATCTGGCCAGTTAGCAGTCGAAGAAAGTTAACAGAGGCGAAACAAGCGCT
CATGAGCCCAGTGGCGAGCCCAGTCTCCCCATCGGTGATGTCGGCGATAAGGGCCAG
CAACCGCACCTGTGGCGCCGGTGATGCCGGCACGATCGTCCGGCTAGAGGATCCACAGG
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TACCGATAACCTGTCGCCCTTCTCCCTCGTGGCTCTCTGTTCCGACCCCTGCCGCT
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GAAAGTCCCCAGGCTCCCCAGCAGGCAGAAGTATGCAAAGCATGCATCTCAATTAGTCAGCA
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CCGCCCTAACTCCGCCCTGGGTGGAGAGGCTATTGGCTATGACTGGGCACAAACAGACAAT
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TCTGACACAACAGTCTGAACTTAAGGCTAGAGCCACCATGATTGAACAAAGATGGATTGAC
GCAGGGTCTCCGCCCTGGGTGGAGAGGCTATTGGCTATGACTGGGCACAAACAGACAAT
CGGCTGCTGATGCCGCCGTGTTCCGGCTGTCAGCGCAGGGGGCGCCCGGTTCTTTTGCAA
GACCGACCTGTCCGGTGCCCTGAATGAACCTGCAAGGAGGGCAGCGCAGGCTATCGTGGCTGG
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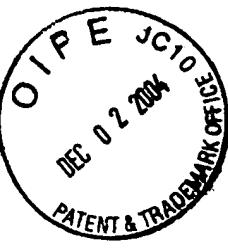
FIG. 16A.



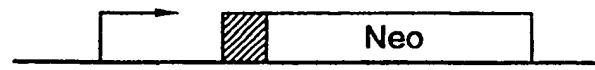
REPLACEMENT
DRAWINGS

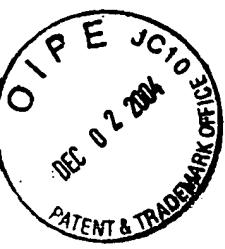
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AGGCGCGCATGCCGACGGCGAGGAATCTCGTCGTGACCCATGGCGATGCCGTGCTGCCGAAT
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CCAATAGGCCGAAATCGGAAAAATCCCTATAAAATCAAAGAATAGACCGAGATAGGGTTGA
GTGTTGTTCCAGTTGGAACAAGAGTCCACTATTAAAGAACGTGGACTCCAACGTCAAAGGG
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FIG. 16B.



REPLACEMENT
DRAWINGS





REPLACEMENT
DRAWINGS

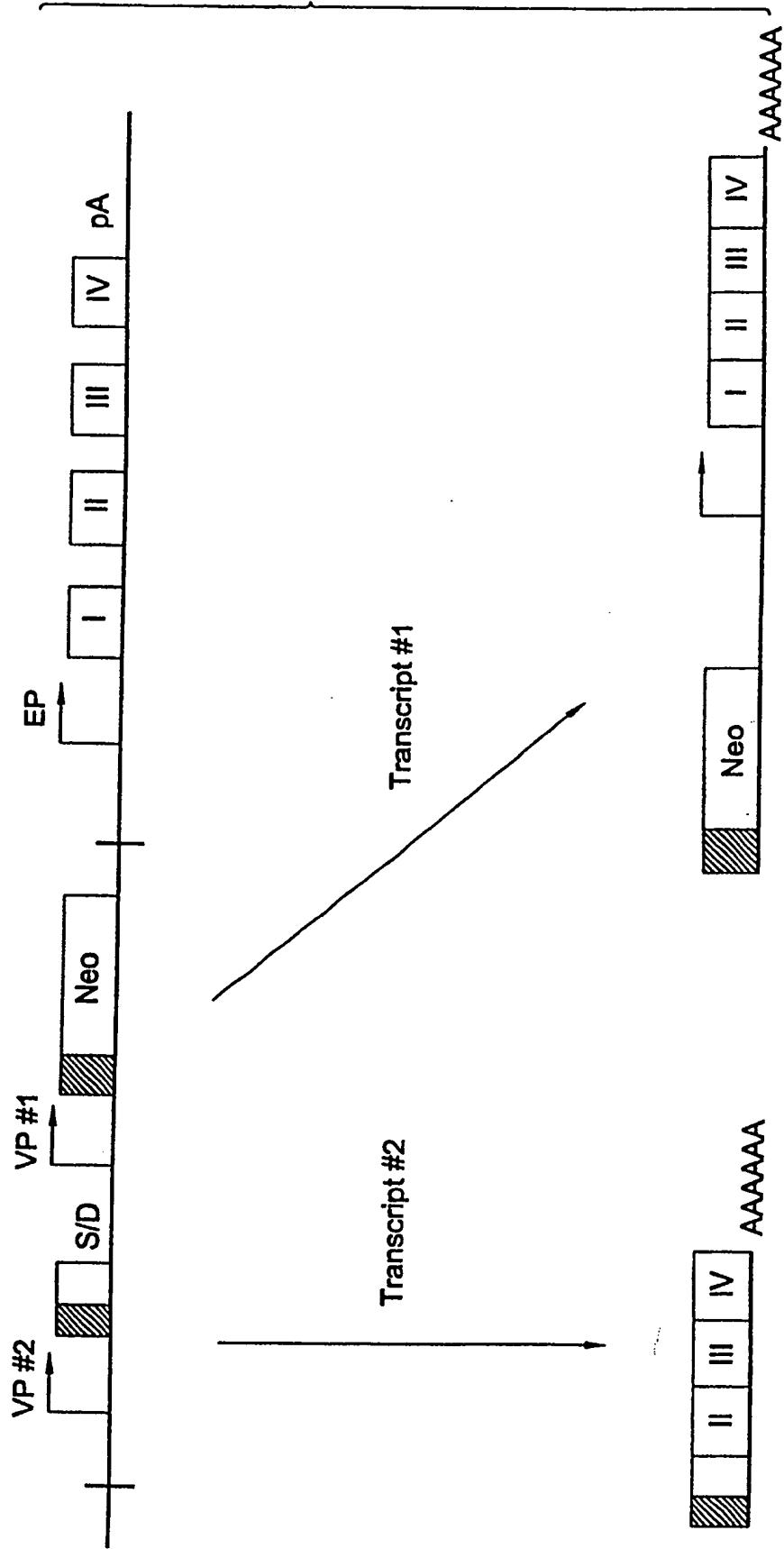


FIG. 18.

REPLACEMENT
DRAWINGS

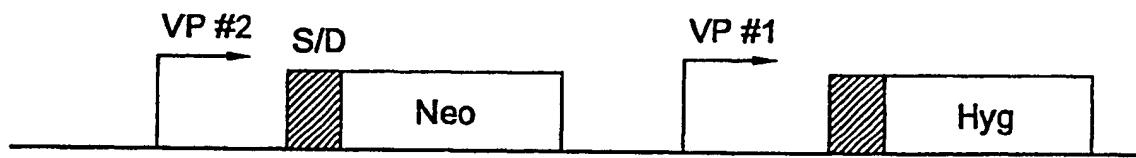
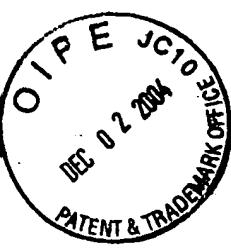
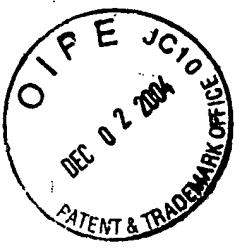


FIG. 19.



REPLACEMENT
DRAWINGS

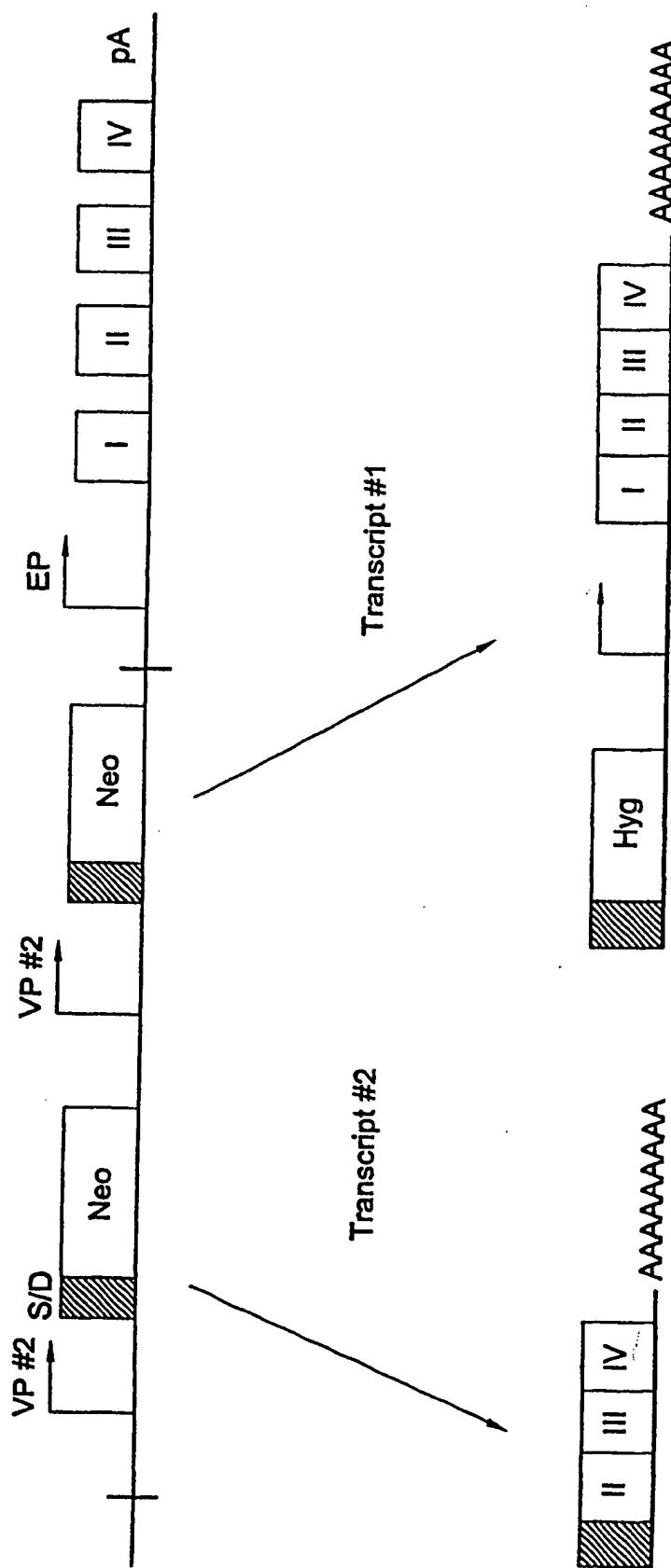
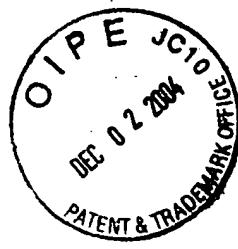


FIG. 20A.



REPLACEMENT
DRAWINGS

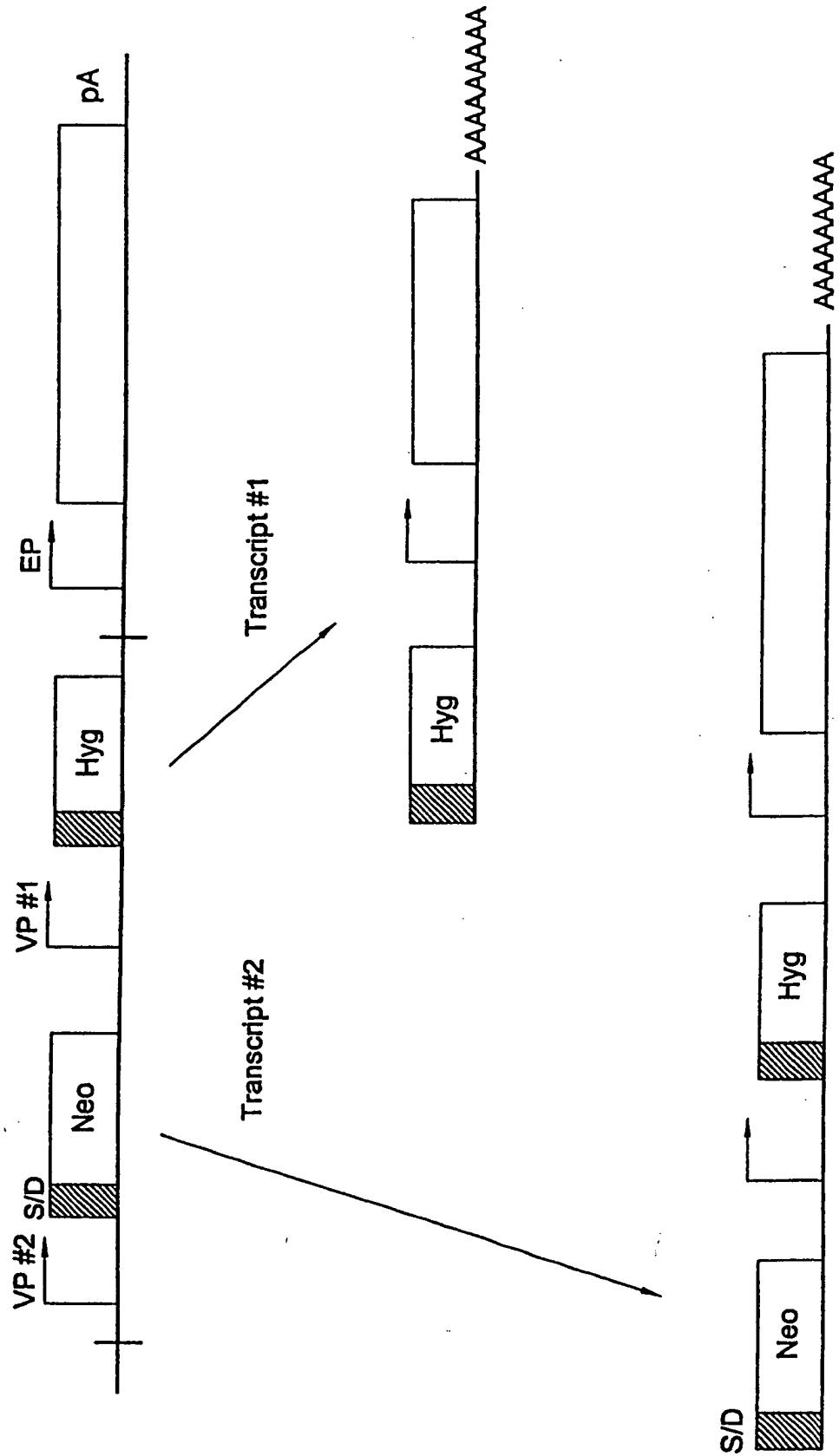


FIG. 20B.

REPLACEMENT
DRAWINGS

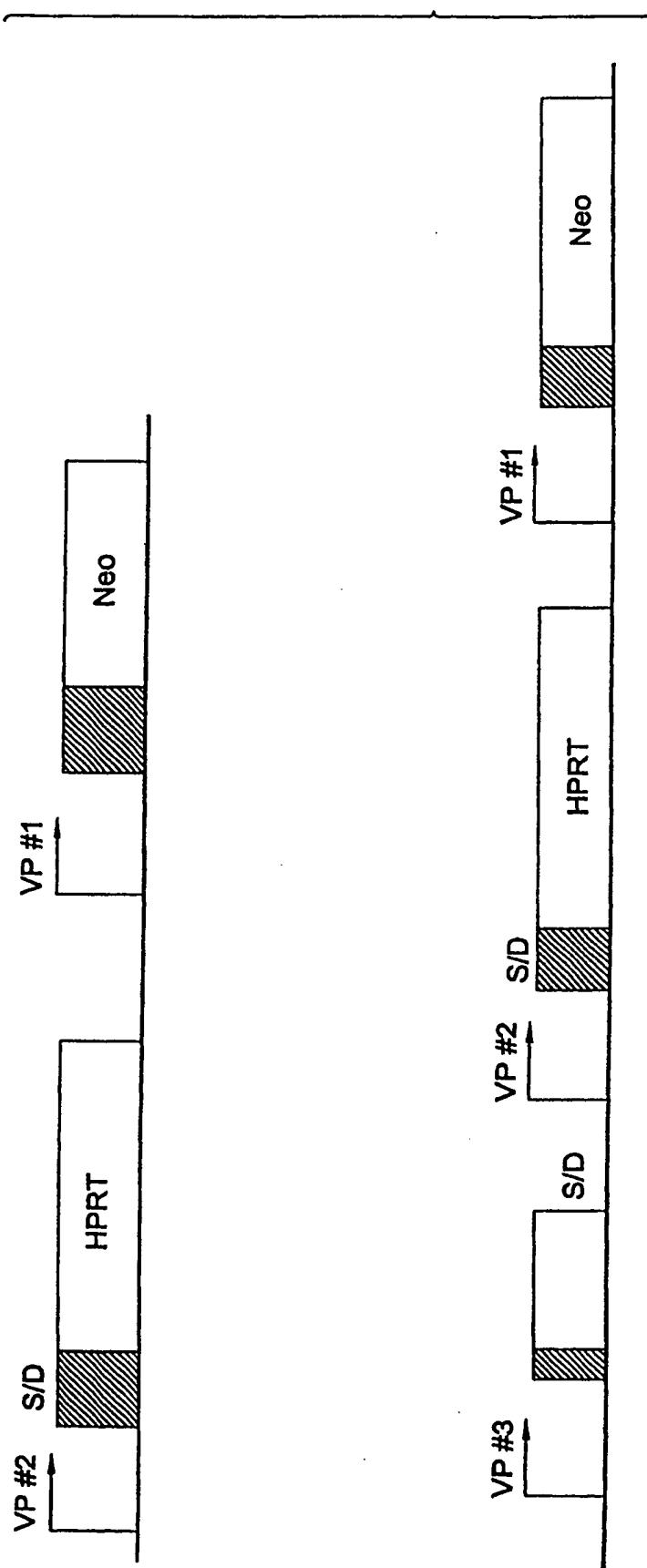
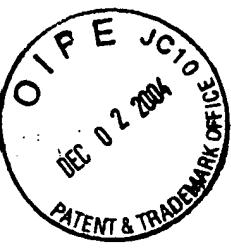
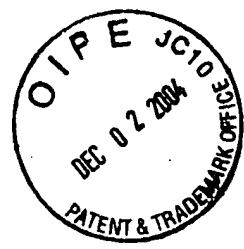


FIG. 21.



REPLACEMENT
DRAWINGS

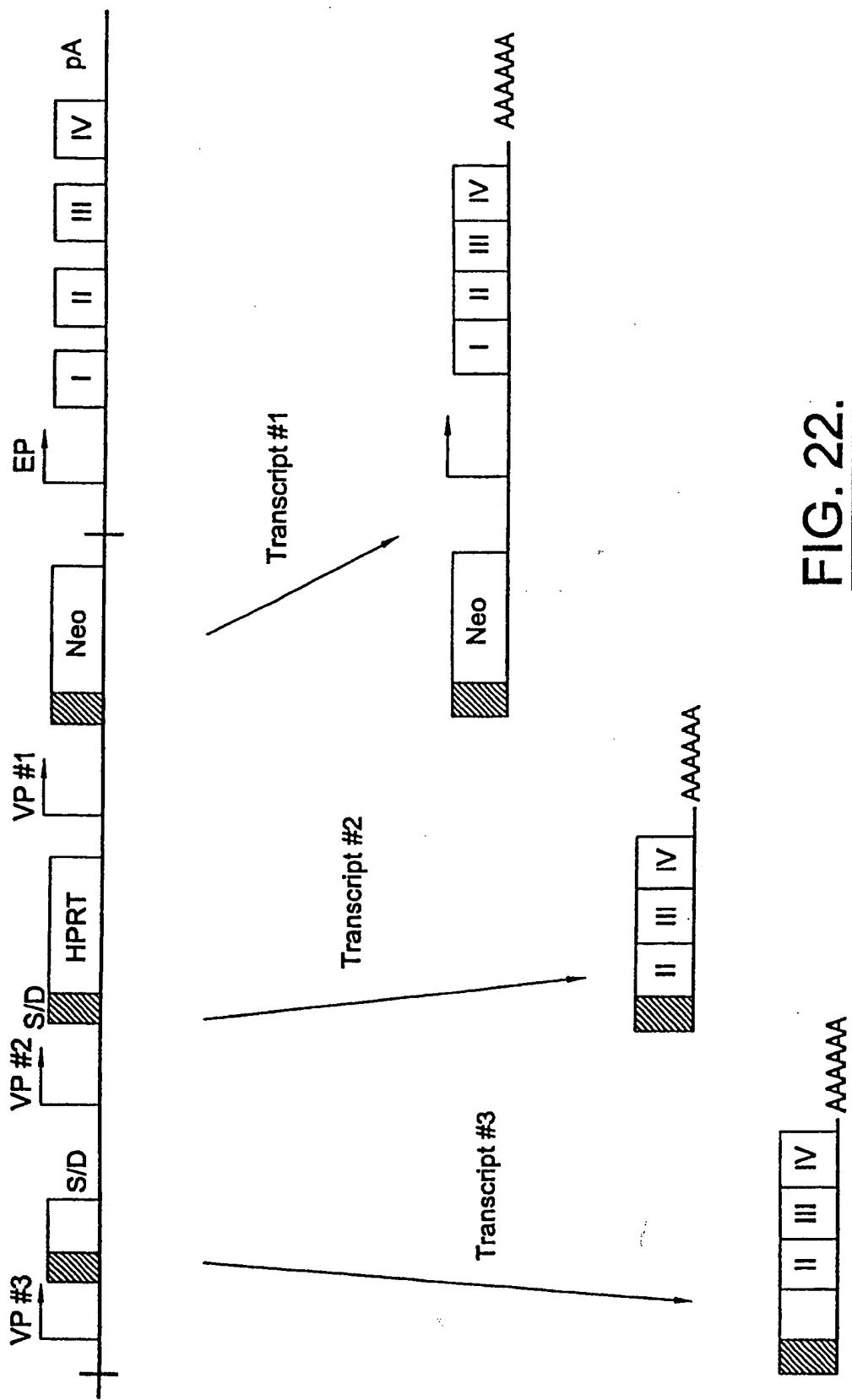
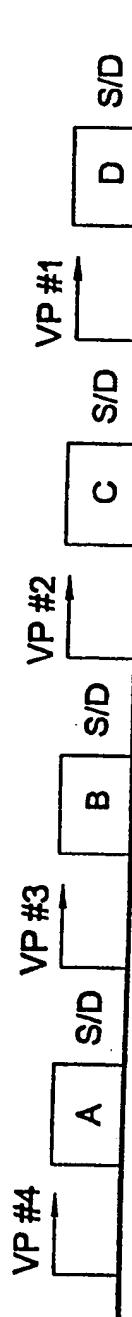


FIG. 22.



REPLACEMENT
DRAWINGS



Exon A and Flanking Intron



FIG. 23A.

Exon B and Flanking Intron



FIG. 23B.

Exon C and Flanking Intron

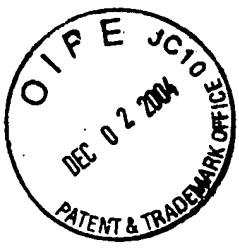


FIG. 23C.

Exon D and Flanking Intron



FIG. 23D.



REPLACEMENT
DRAWINGS

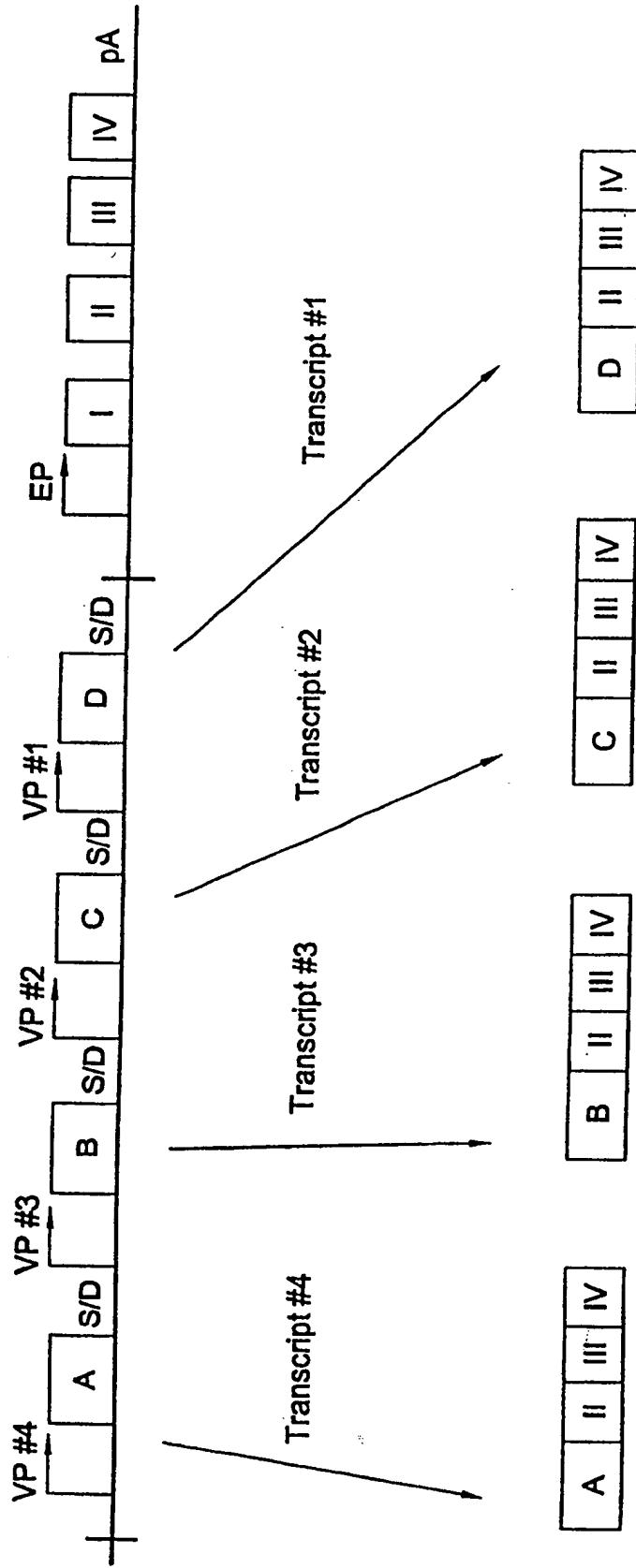
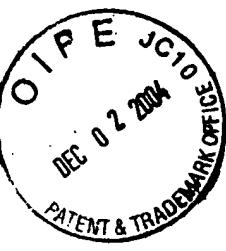


FIG. 24.



REPLACEMENT
DRAWINGS



FIG. 25A.



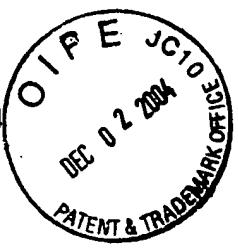
FIG. 25B.



FIG. 25C.



FIG. 25D.



REPLACEMENT
DRAWINGS

Gene A



FIG. 26.

Gene B



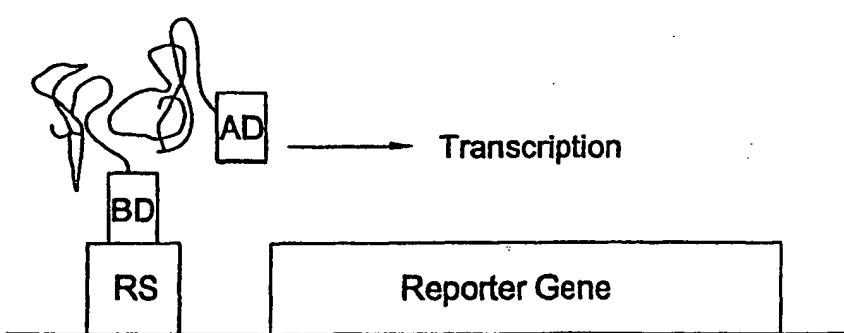
Transcription and Splicing

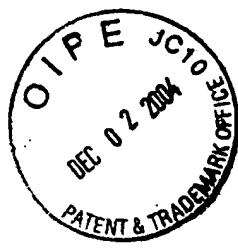


Translation



Detection of
Protein Interaction





REPLACEMENT
DRAWINGS

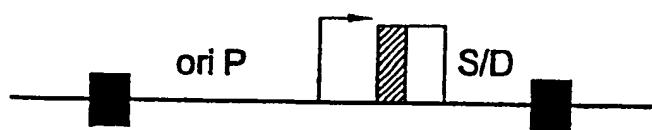


FIG. 27A.

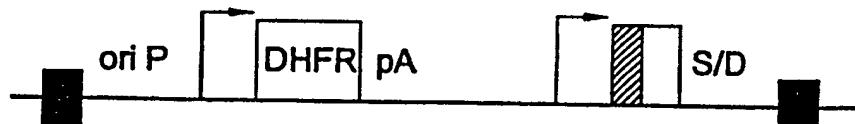


FIG. 27B.

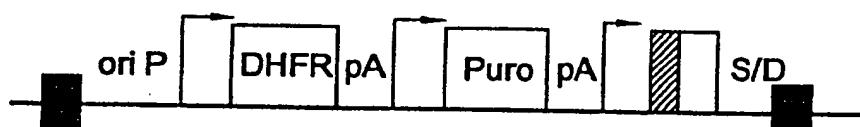


FIG. 27C.

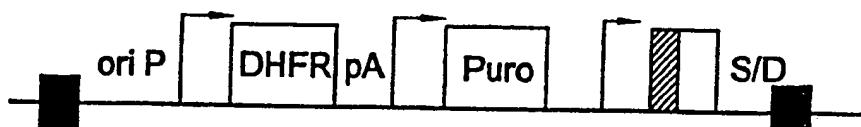


FIG. 27D.

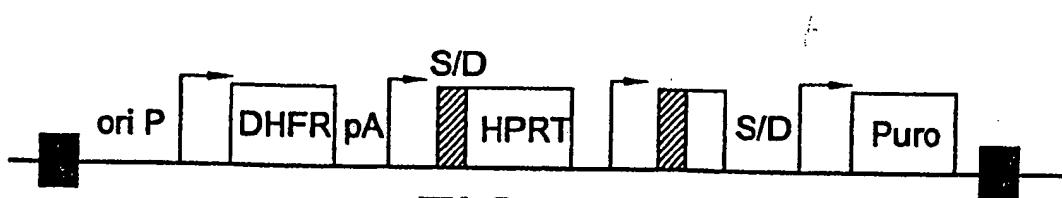
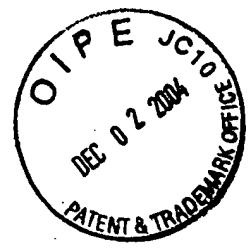


FIG. 27E.



REPLACEMENT
DRAWINGS

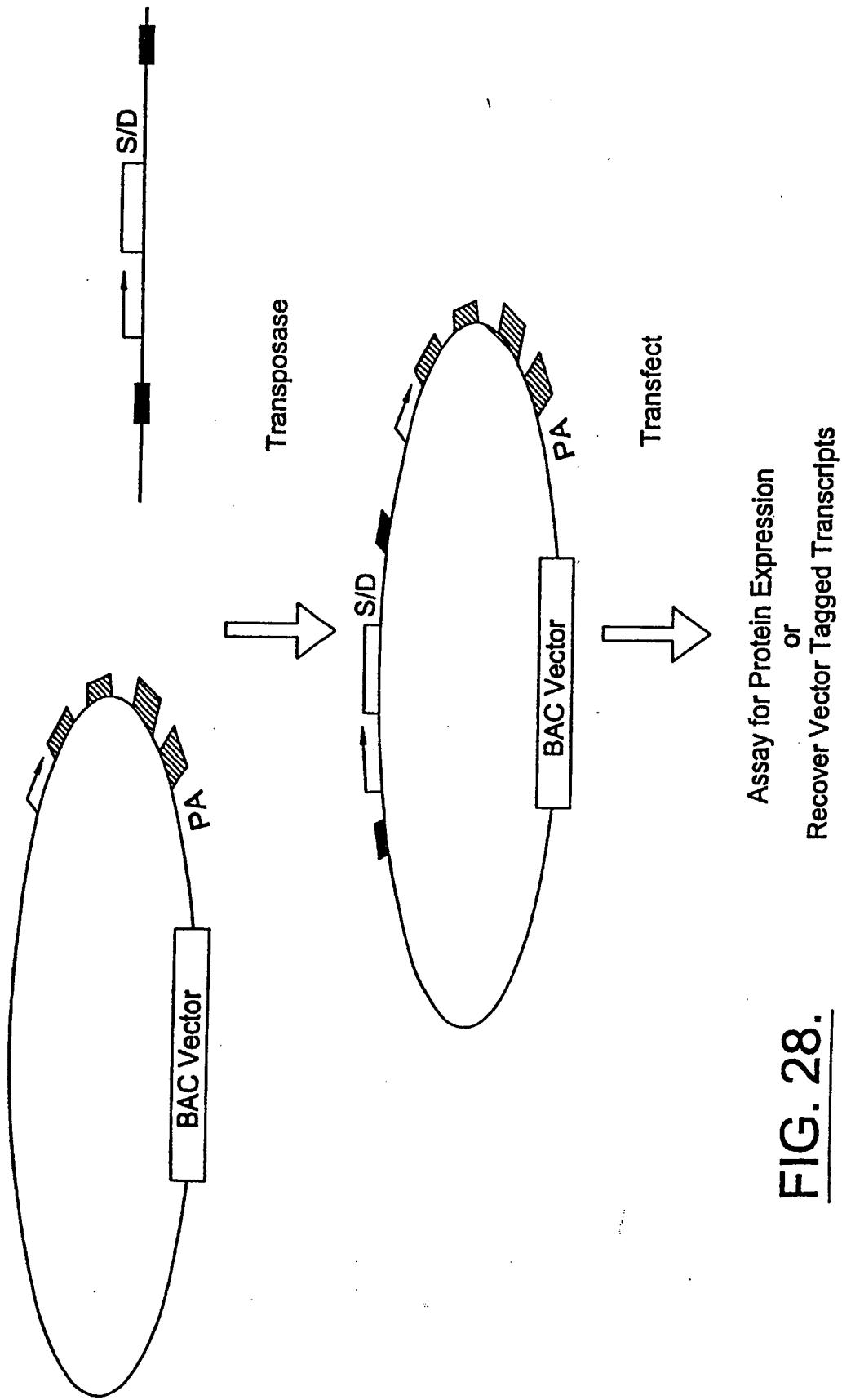
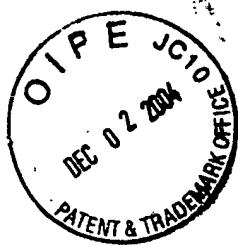


FIG. 28.

Assay for Protein Expression
or
Recover Vector Tagged Transcripts

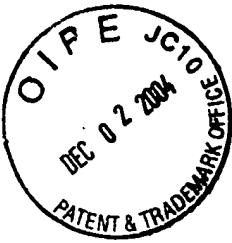


REPLACEMENT
DRAWINGS

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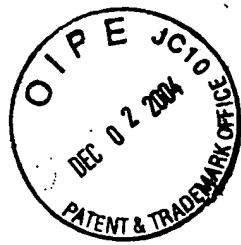
FIG. 29A.

REPLACEMENT
DRAWINGS



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FIG. 29B.

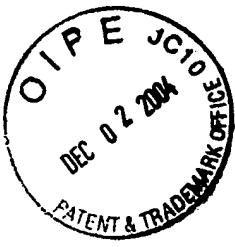


REPLACEMENT
DRAWINGS

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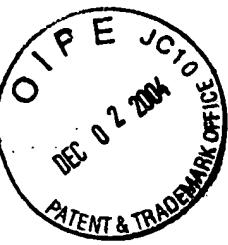
FIG. 30A.

REPLACEMENT
DRAWINGS



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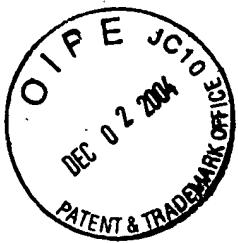
FIG. 30B.



REPLACEMENT
DRAWINGS

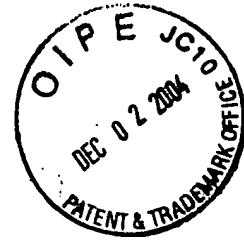
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FIG. 30C.



REPLACEMENT DRAWINGS

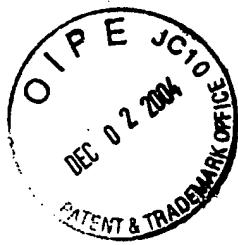
FIG. 31A.



REPLACEMENT
DRAWINGS

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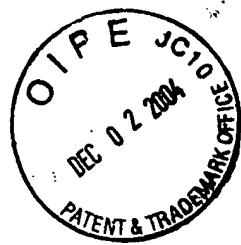
FIG. 31B.



REPLACEMENT DRAWINGS

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FIG. 31C.



REPLACEMENT DRAWINGS

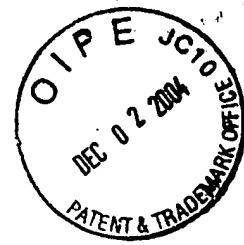
FIG. 32A.



REPLACEMENT DRAWINGS

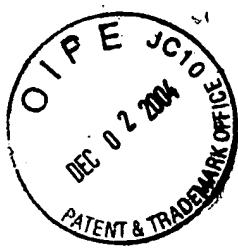
FIG. 32B.

REPLACEMENT
DRAWINGS



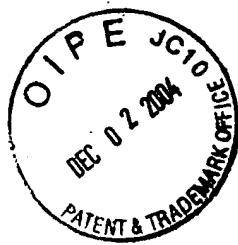
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gcgcacccgtggcgatgaccgcacgcggccgtccgtacccgcgcacccgcacgcgcgcacccgcacgcac
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GCGCGCTAACCTGGTTGCT
GACTAATTGAGATGCATGCTTGCATACTCTGCCTGCTGGGGAGCCTGGG
GACCTTCCACACCCCTAACTGACACACATTCCACAGCTGGTTCTTCCGCCTC
AGAAGGTACACAGGGCGAAATTGTAAGCGTTAATATTTGTTAAATTCGCG
TTAAATTGTTAAATCAGCTCATTTTAAACCAATAGGCCGAAATCGGC
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GGCGAAAAACCGCTATCAGGGCGATGGCCCAC

FIG. 32C.



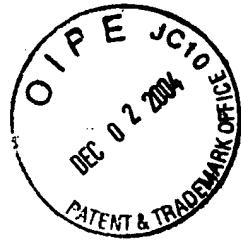
REPLACEMENT DRAWINGS

FIG. 33A.



REPLACEMENT DRAWINGS

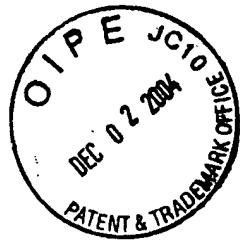
FIG. 33B.



REPLACEMENT
DRAWINGS

TCGGTGTAGGTCGTCGCTCCAAGCTGGGCTGTGTGCACGAACCCCCCGTT
CAGCCCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGAGTCCAACCCG
GTAAGACACGACTATCGCCACTGGCAGCAGCCACTGGTAACAGGATTAG
CAGAGCGAGGTATGTAGGCGGTGCTACAGAGTTCTTGAAGTGGTGGCTA
ACTACGGCTACACTAGAAGGACAGTATTGGTATCTGCGCTCTGCTGAAGC
CAGTTACCTTCGGAAAAAGAGTTGGTAGCTCTTGATCCGCCAAACAAACCA
CCGCTGGTAGCGGTGGTTTTGGTCAAGCAGCAGATTACGCGCAGAA
AAAAAGGATCTCAAGAAGATCCTTGATCTTCTACGGGTCTGACGCTC
AGTGGAACGAAAACACGTTAAGGGATTTGGTCAAGGATTATCAAAA
AGGATCTCACCTAGATCCTTATCGGTGTGAAATACCGCACAGATGCGT
AAGGAGAAAATACCGCATCAGGAAATTGTAAGCGTTAATAATTAGAAGA
ACTCGTCAAGAAGGCGATAGAAGGCGATGCGCTGCGAATCGGGAGCGCG
ATACCCTAAAGCACGAGGAAGCGGTCAAGCCCATTGCGCCGCCAAGCTCTTCA
GCAATATCACGGTAGCCAACGCTATGTCCTGATAGCGGTCCGCCACACCC
AGCCGGCCACAGTCGATGAATCCAGAAAAGCGGCCATTTCACCATGATA
TTCGGCAAGCAGGCATCGCCATGGGTACGACGAGATCCTCGCCGTGGG
CATGCTCGCCTTGAGCTGGCGAACAGTTGGCTGGCGAGGCCCTGATG
CTCTCGTCCAGATCATCCTGATCGACAAGACCGGCTCCATCCGAGTACG
TGCTCGCTCGATGCGATGTTGCTGGTGGTCGAATGGCAGGTAGCCGG
ATCAAGCGTATGCAAGCCCGCATTGCACTAGCCATGATGGATACTTCTC
GGCAGGAGCAAGGTGAGATGACAGGGAGATCCTGCCCGGACTTCGCCCA
ATAGCAGCCAGTCCCTTCCCCTTCAGTGCACAAACGTCGAGCACAGCTGCGC
AAGGAACGCCCGTCGTGGCCAGCCACGATAGCCGCGCTGCCTCGTCTTGCA
GTTATTCAAGGGCACCGGACAGGTGGTCTTGACAAAAAGAACCGGGCGC
CCCTCGCCTGACAGCCGGAACACCGGGCATCAGAGCAGCCGATTGTCTG
TTGTGCCAGTCATAGCCGAATAGCCTCTCCACCCAAAGCGGCCGGAGAAC
TGCCTGCAATCCATCTTGTCAATCATGCGAAACGATCCTCATCCTGTCT
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ATCCAGTTACTTTGCAGGGCTTGTCAACCTTACAGATAAAAGTGCTCAT
CATTGGAAAActtcaattcgtcgaccctcgaaattctaccggtagggaggcgctttccaaaggcagtctgga
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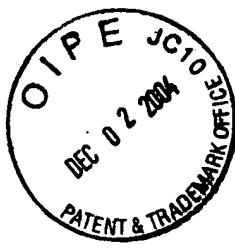
FIG. 33C.



REPLACEMENT
DRAWINGS

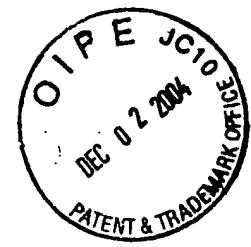
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GAATAGACCGAGATAGGGTTGAGTGTGTTCCAGTTGGAACAAGAGTCC
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AGGGCGATGGCCCAC

FIG. 33D.



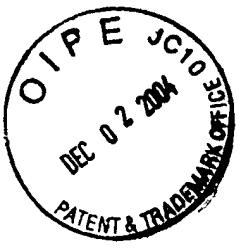
REPLACEMENT DRAWINGS

FIG. 34A.



REPLACEMENT DRAWINGS

FIG. 34B.



REPLACEMENT
DRAWINGS

GATCTTCAATATTGCCATTAGCCATATTATTCAATTGGTTATATAGCATAAA
TCAATATTGGCTATTGCCATTGCATACGTTGTATCTATATCATAATATGTA
CATTATATTGGCTCATGTCCAATATGACC GCCATGTTGGCATTGATTATTG
ACTAGTTATTAAATAGTAATCAATTACGGGT CATTAGTCATAGCCC ATAT
ATGGAGTCCCGCTTACATAACTACGGTAATGGCCCGCCTGGCTGACCG
CCCAACGACCCCCGCCATTGACGTC AATAATGACGTATGTTCCC ATAGTA
ACGCCAATAGGGACTTCCATTGACGTC AATGGGTGGAGTATTACGGTAA
ACTGCCCACTGGCAGTACATCAAGTGTATCATATGCCAAGTCCGCC
ATTGACGTC AATGACGGTAATGGCCCGCCTGGCATTATGCCCAAGTACATG
ACCTTACGGGACTTCCACTTGGCAGTACATCTACGTATTAGTCATCGCT
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GTTAATTGTCAACAGCTCATGCATGACGTCCGGAGCAGACAAGCCCC
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GCCGCGTTGCTGGCGTTTCCATAGGCTCCGCCCCCTGACGAGCATCAC
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GCTTCTCATAGCTACGCTAGGTATCTCAGTCGGTGTAGGTCGTTG
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CTTATCCGGTAACTATCGTCTTGAGTCCAACCCGGTAAGACACGACTTATC
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CGTTAAGGGATTTGGTATGAGATTATCAAAAAGGATCTCACCTAGATC
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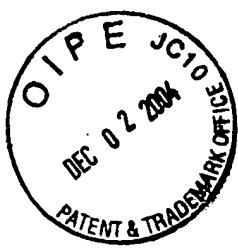
FIG. 35A.



REPLACEMENT
DRAWINGS

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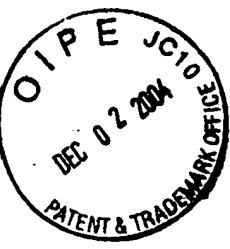
FIG. 35B.



REPLACEMENT
DRAWINGS

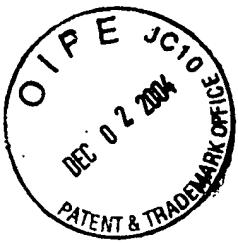


FIG. 36.



REPLACEMENT DRAWINGS

FIG. 37A.

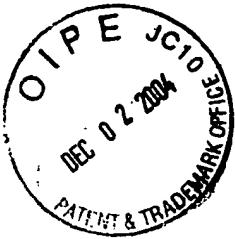


REPLACEMENT
DRAWINGS

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GACAGTATTGGTATCTGCCTCTGTGAAGCCAGTTACCTCGGAAAAG
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FIG. 37B.

REPLACEMENT
DRAWINGS



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GATCCTTGATCTTCTACGGGGTCTGACGCTCAGTGGAACGAAAACCTCA
CGTTAAGGGATTTGGTCATGAGATTATCAAAAAGGATCTCACCTAGATC
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gtcggagggtcccgaaaggacccgcacccgcacgcgttgcgg
gcgcggccacccgcacccgcacgcgttgcgg
TAACCTGGTTGCTGACTAATTGAGATGCATGCTTGCATACTCTGCCTGCT
GGGGAGCCTGGGACTTCCACACCCTAACTGACACACATTCCACAGCTGG
TTCTTCCGCCTCAGAAGGTACACAGGCAGAAATTGTAAGCGTTAATATT
GTTAAAATTGCGTTAAATTGGTAAATCAGCTCATTTTAACCAATAG
GCCGAAATCGGCAAATCCCTATAAAATCAAAGAACGAGTCCACTATTAAAGAACGTGGA
CTCCAACGTCAAAGGGCGAAAAACCGTCTATCAGGGCGATGGCCCAC

FIG. 37C.